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| 10/826,804 | 04/15/2004 | Mitsuo Kimura | CFA00075US | 1578 |

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| EXAMINER |
|---|
| SARPONG, AKWASI |

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated  "Notification Date" to the following e-mail  address(es):

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PTOL-90A  (Rev. 04/07)

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1)☒ Responsive to communication(s) filed on _02/11/2010_.
2a)☒ This action is **FINAL**.       2b)☐ This action is non-final.
3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4)☒ Claim(s) _1-5 and 8-17_ is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5)☐ Claim(s) _____ is/are allowed.
6)☒ Claim(s) _1-5 and 8-17_ is/are rejected.
7)☐ Claim(s) _____ is/are objected to.
8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9)☐ The specification is objected to by the Examiner.
10)☒ The drawing(s) filed on _04/15/2004_ is/are: a)☒ accepted or b)☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a)☒ All   b)☐ Some *  c)☐ None of:
        1.☒ Certified copies of the priority documents have been received.
        2.☐ Certified copies of the priority documents have been received in Application No. _____.
        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _04/15/2004_.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

## Detailed Action

### *Claim Rejections - 35 USC § 103*

1.      The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

2.      Claims 1-5 and 8-17 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Leurig (20030014368) in view of  Simpson (20030172148).

**Claim 1,** Leurig discloses a method executed by a server **(Server 104 shown in**

**fig. 3)** capable of communicating with a client device **(Client 108 shown in Fig. 3)** and

a printer device **(Printer 110 shown in fig. 110)** through a network, **(Network 102**

**Shown in fig. 1) (Section 0041, lines 2-4- thus server 104 and client 108**

**communicates through network 102 as clearly shown in fig. 1)**

the client device being different from the printer device, **(Fig. 3 shows clearly**

**that client 108 is externally different from printer 110)**  the method comprising:

receiving a printing request from the client device **(Section 0045, lines 1-7- thus the**

**user selects a print job using client computer 108)**

transmitting print data to the printer device selected in the client device in

accordance with the received printing request; **(Section 0046, lines 1-3, thus the print**

**data is transmitted to a selected printer, selected through client device 108)**

causing the client device to acquire from the printer device without going through

the server, a state of processing of the transmitted print data. **(Section 0048, lines 5-16**

**–thus printer 110 transmits the status of the print data to client 108 and hence the state of the print data is known to the client without going through the server).**

causing the client device **(Client device 108)** to display **(Section 0063, lines 6-7in browser 207 shown in fig. 5E)** the state automatically **(Section 0035, lines 4-7, thus the second browser automatically opens as soon as a print transaction is initiated)**.

Leurig does not disclose transmitting to the client device address information for get the state of the print data and displaying the state in accordance with the address information.

Simpson discloses transmitting the client device address information **(Section 0080- thus the job status page AP hyperlink is the URI of the web page of the state of the print job)** to get the state of the print data. **(Section 0073, lines 1-4, thus the AP hyperlink is used by the user to acquire the status or state of the print job)** and  displaying the state in accordance with the address information **(Section 0080, thus the job status is displayed by using the "job status page")** Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Leurig's printer 104 to include Simpson's  PP web content  136 so that Leurig's printer will be able sent an AP hyperlink (URI) (address information) to printer 110. The motivation for the modification is to unable the user to have easier access to the state or status of the print data.

**Claim 2,** Leurig in view of Simpson discloses further comprising

authenticating that the printing request is a printing request from a valid user. **(Leurig:**

**Section 0040, thus the user logs in as a means of authentication to the server).**


**Claim 3,** Leurig in view of Simpson discloses wherein the printer device

combines print form data and the print data transmitted by the server in order to

generate image data for printing. **(Leurig: Section 0046, lines 9-12, thus the system**

**merges the selected data with the appropriate form to generate a data file or**

**image data for printing)**


**Claim 4,** Leurig in view of Simpson discloses wherein the address information

**(Simpson: (Section 0080- thus the job status page AP hyperlink is the URI of the**

**web page of the state of the print job)** for causing the client device to acquire the

state of processing of the transmitted print data **(leurig: Section 0048 lines 8-16- thus**

**the Status of the print data is sent to the user)** comprises a uniform resource

identifier of a Web page indicating the state of processing of the transmitted print data.

**(Simpson: Section 0073 since the PP web content displays a  web, it is inherit that**

**a web page comes with its URL).**


**Claim 5,** Leurig in view of Simpson discloses wherein the client device **(leurig:**

**Client 108 shown in fig. 2)** displays the state of processing of the print data **(Leurig:**

**Section 0048 lines 5-16- thus shows as to whether the print data is printed or not**

**completed)** in a web browser in accordance with the Web page acquired by the client

device. **(Simpson: Section 0073- thus the web page displays the status of the sent**

**print job).**


Claim 6-7, (Canceled)


**Claim 8,** Leurig discloses an information processing device **(Server 104 shown**

**in fig. 3)** capable of communicating with an external device **(Client 108 shown in Fig.**

**3)** and a printer device **(Printer 110 shown in fig. 110)** through a network, **(Network**

**102 Shown in fig. 1) (Section 0041, lines 2-4- thus server 104 and client 108**

**communicates through network 102 as clearly shown in fig. 1)**

the external device being different from the printer device, **(Fig. 3 shows clearly**

**that client 108 is externally different from printer 110)** the information processing

device comprising:

a request receiving unit **(portion of Client 108 that receives the image)**

configured to receive a printing request from the external device; **(Section 0045, lines**

**1-7- thus the user selects a print job using client computer 108)**

a data transmission unit configured to transmit print data to the printer device

selected in the external device in accordance with the printing request received by the

request receiving unit; **(Section 0046, lines 1-3, thus the print data is transmitted to**

**a selected printer, selected through client device 108)**

and

a transmission unit configured to transmit, to the external device from the printer

device without going through the information processing apparatus a state of processing

of the print data transmitted by the data transmission unit. **(Section 0048, lines 5-16 –**

**thus printer 110 transmits the status of the print data to client 108 and hence the**

**state of the print data is known to the client without going through the server).**

a control unit **(Client device 108)** configured to cause the external device to

display **(Section 0063, lines 6-7in browser 207 shown in fig. 5E)** the state

automatically **(Section 0035, lines 4-7, thus the second browser automatically**

**opens as soon as a print transaction is initiated)**.


Leurig does not disclose transmitting to the client device address information for

get the state of the print data and  displaying the state in accordance with the address

information.

Simpson discloses transmitting the client device address information **(Section**

**0080- thus the job status page AP hyperlink is the URI of the web page of the**

**state of the print job)**  to get the state of the print data. **(Section 0073, lines 1-4, thus**

**the AP hyperlink is used by the user to acquire the status or state of the print job)**

and  displaying the state in accordance with the address information **(Section 0080,**

**thus the job status is displayed by using the "job status page")**.  Therefore it will be

obvious to one ordinary skilled in the art at the time the invention was made to modify

Leurig's printer 104 to include Simpson's  PP web content  136 so that Leurig's printer

will be able sent a web page (address information) to printer 110. The motivation for the

modification is to unable the user to have easier access to the state or status of the print

data.


**Claim 9,** Leurig in view of Simpson discloses an information processing device

wherein an authenticating unit configured to authenticate that the printing request is a

printing request from a valid user. **(Leurig: Section 0040, thus the user logs in as a**

**means of authentication to the server).**


**Claim 10,** Leurig in view of Simpson discloses an information processing device

wherein the printer device combines print form data and the print data transmitted by

the data transmission unit in order to generate image data for printing. **(Leurig: Section**

**0046, lines 9-12, thus the system merges the selected data with the appropriate**

**form to generate a data file or image data for printing)**


Claim 11,  Leurig in view of Simpson discloses an information processing device

wherein the address information **(Simpson: Web page please see section 0073)**  for

causing the external device to acquire the state of processing of the transmitted print

data **(leurig: Section 0048 lines 8-16- thus the Status of the print data is sent to the**

**user)** comprises a uniform resource identifier of a Web page indicating the state of

processing of the transmitted print data. **(Simpson: Section 0073 since the PP web content displays a  web, it is inherit that a web page comes with its URL).**

**Claim 12,** Leurig in view of Simpson discloses an information processing device wherein the external device **(leurig: Client 108 shown in fig. 2)** displays the state of processing of the print data **(Leurig: Section 0048 lines 5-16- thus shows as to whether the print data is printed or not completed)** in a Web browser in accordance with the Web page acquired by the external device. **(Simpson: Section 0073- thus the web page displays the status of the sent print job).**

**Claim 13,** Leurig discloses a computer-readable medium having a program stored thereon for controlling a computer of a server **(Server 104 shown in fig. 3)** capable of communicating with an external device **(Client 108 shown in Fig. 3)**and a printer device, **(Printer 110 shown in fig. 110) (Section 0041, lines 2-4- thus server 104 and client 108 communicates through network 102 as clearly shown in fig. 1)**

the external device being different from the printer device, **(Fig. 3 shows clearly that client 108 is externally different from printer 110)** the program causing the computer to execute a method comprising

receiving a printing request from the external device, **(Section 0045, lines 1-7- thus the user selects a print job using client computer 108)**

transmitting print data to the printer device selected in the external device in accordance with the received printing request; **(Section 0046, lines 1-3, thus the print data is transmitted to a selected printer, selected through client device 108)**

causing the client device to acquire from the printer device without going through the server, a state of processing of the transmitted print data. **(Section 0048, lines 5-16 –thus printer 110 transmits the status of the print data to client 108 and hence the state of the print data is known to the client without going through the server)**

causing the external device **(Client device 108)** to display **(Section 0063, lines 6-7in browser 207 shown in fig. 5E)** the state automatically **(Section 0035, lines 4-7, thus the second browser automatically opens as soon as a print transaction is initiated)**.

Leurig does not disclose transmitting to the client device address information for get the state of the print data.

Simpson discloses transmitting the client device address information **(Section 0080- thus the job status page AP hyperlink is the URI of the web page of the state of the print job)** to get the state of the print data. **(Section 0073, lines 1-4, thus the AP hyperlink is used by the user to acquire the status or state of the print job)** and displaying the state in accordance with the address information **(Section 0080, thus the job status is displayed by using the "job status page")**. Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Leurig's printer 104 to include Simpson's PP web content 136 so that Leurig's printer

will be able sent a web page (address information) to printer 110. The motivation for the

modification is to unable the user to have easier access to the state or status of the print

data.

**Claim 14,** Leurig in view of Simpson discloses A computer-readable medium

wherein the method further comprises authenticating that the printing request is a

printing request from a valid user. **(Leurig: Section 0040, thus the user logs in as a**

**means of authentication to the server).**


**Claim 15,** Leurig in view of Simpson discloses A computer-readable medium

wherein the printer device combines print form data and the print data transmitted by

the server in order to generate image data for printing. **(Leurig: Section 0046, lines 9-**

**12, thus the system merges the selected data with the appropriate form to**

**generate a data file or image data for printing)**


Claim 16, Leurig in view of Simpson discloses a computer-readable medium

wherein the <u>address </u>information **(Simpson: Web page please see section 0073)** for

causing the external device to acquire the state of processing of the transmitted print

data **(leurig: Section 0048 lines 8-16- thus the Status of the print data is sent to the**

**user)** comprises a uniform resource identifier of a Web page indicating the state of

processing of the transmitted print data. **(Simpson: Section 0073 since the PP web**

**content displays a  web, it is inherit that a web page comes with its URL).**

Claim 17, Leurig in view of Simpson discloses a computer-readable medium wherein the external device **(leurig: Client 108 shown in fig. 2)** displays the state of processing of the print data **(Leurig: Section 0048 lines 5-16- thus shows as to whether the print data is printed or not completed)** in accordance with the Web page acquired by the external device. **(Simpson: Section 0073- thus the web page displays the status of the sent print job).**

### *Response to Arguments*

Applicant's arguments filed 02/11/2010 have been fully considered but they are not persuasive.

Regarding claims 1, 8 and 13, applicant argues that the cited reference fails to discloses a method executed by a server capable of communicating with a client device and a printer device through a network, the client device being different from the printer device, the method comprising:

receiving a printing request from the client device

transmitting print data to the printer device selected in the client device in accordance with the received printing request;

transmitting, to the client device, address information for causing the client device to acquire, from the printer device without going through the server, a state of processing of the transmitted print data, and

causing the client device to display the state automatically in accordance with the

address information.


**In reply** examiner respectfully disagree because Leurig discloses a method

executed by a server **(Server 104 shown in fig. 3)** capable of communicating with a

client device **(Client 108 shown in Fig. 3)** and a printer device **(Printer 110 shown in**

**fig. 110)** through a network, **(Network 102 Shown in fig. 1) (Section 0041, lines 2-4-**

**thus server 104 and client 108 communicates through network 102 as clearly**

**shown in fig. 1)**

the client device being different from the printer device, **(Fig. 3 shows clearly**

**that client 108 is externally different from printer 110)** the method comprising:

receiving a printing request from the client device **(Section 0045, lines 1-7- thus the**

**user selects a print job using client computer 108)**

transmitting print data to the printer device selected in the client device in

accordance with the received printing request; **(Section 0046, lines 1-3, thus the print**

**data is transmitted to a selected printer, selected through client device 108)**

causing the client device to acquire from the printer device without going through

the server, a state of processing of the transmitted print data. **(Section 0048, lines 5-16**

**–thus printer 110 transmits the status of the print data to client 108 and hence the**

**state of the print data is known to the client without going through the server).**

causing the client device **(Client device 108)** to display **(Section 0063, lines 6-**

**7in browser 207 shown in fig. 5E)** the state automatically **_(Section 0035, lines 4-7,_**

***thus the second browser automatically opens as soon as a print transaction is***

***initiated).***

Leurig does not disclose transmitting to the client device address information for

get the state of the print data and displaying the state in accordance with the address

information.

Simpson discloses transmitting the client device address information **(Section**

**0080- thus the job status page AP hyperlink is the URI of the web page of the**

**state of the print job)** to get the state of the print data. **(Section 0073, lines 1-4, thus**

**the AP hyperlink is used by the user to acquire the status or state of the print job)**

and  displaying the state in accordance with the address information **(Section 0080,**

**thus the job status is displayed by using the "job status page")** Therefore it will be

obvious to one ordinary skilled in the art at the time the invention was made to modify

Leurig's printer 104 to include Simpson's  PP web content  136 so that Leurig's printer

will be able sent an AP hyperlink (URI) (address information) to printer 110. The

motivation for the modification is to unable the user to have easier access to the state or

status of the print data.

***Note: Understand that the second browser which indicates the progress of***

***the print job automatically opens up as soon as a print transaction is initiated.***

***Please see section 0035, lines 4-7.***

Applicant also argues that Leurig fails to disclose to cause the client device to acquire a printing state from a printer device without going through a server.

**In reply,** Examiner respectfully disagree because Leurig disclose in Section 0048, lines 5-16 that "after printing is complete, printer 110 provides a status response to client system 108" this is very clear that the status is sent to the client device first before it is sent to any other place and therefore it is provided to the client without going through the server.


Applicant also argues that the cited reference fails to disclose client device is caused to automatically display the state in accordance with the transmitted address information.

As explained in the Office action, Leurig discloses causing the client device **(Client device 108)** to display **(Section 0063, lines 6-7in browser 207 shown in fig. 5E)** the state automatically **(Section 0035, lines 4-7, thus the second browser automatically opens as soon as a print transaction is initiated)**.

*But does not disclose* transmitting to the client device address information for get the state of the print data and displaying the state in accordance with the address information.

Simpson discloses transmitting the client device address information **(Section 0080- thus the job status page AP hyperlink is the URI of the web page of the state of the print job)** to get the state of the print data. **(Section 0073, lines 1-4, thus the AP hyperlink is used by the user to acquire the status or state of the print job)**

and displaying the state in accordance with the address information **(Section 0080,**

**thus the job status is displayed by using the "job status page")** Therefore it will be

obvious to one ordinary skilled in the art at the time the invention was made to modify

Leurig's printer 104 to include Simpson's PP web content 136 so that Leurig's printer

will be able sent an AP hyperlink (URI) (address information) to printer 110. The

motivation for the modification is to unable the user to have easier access to the state or

status of the print data.

Note: Understand that it is admitted that Leurig which is the main reference does

not disclose a limitation but the secondary reference teaches it and therefore it will be

obvious to one ordinary skilled in the art at the time the invention was made to modify

Leurig's printer 104 to include Simpson's PP web content 136 so that Leurig's printer

will be able sent an AP hyperlink (URI) (address information) to printer 110. The

motivation for the modification is to unable the user to have easier access to the state or

status of the print data.

Applicant argues that Simpson does not disclose that the hyperlink does not

disclose the printing state information.

Examiner respectfully disagrees because Section 0080 states clearly that the

"hyperlink that is provided by the job status page may be referred to as **<u>job status page</u>**

(this clearly reads on the page shown in fig. 9 in applicants publication) AP hyperlink" .

## *Conclusion*

Applicant's amendment necessitated the new ground(s) of rejection presented in this

Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to AKWASI M. SARPONG whose telephone number is

(571)270-3438. The examiner can normally be reached on Monday-Friday 8:00am-

5:00pm est.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, King Poon can be reached on 571-272-7440. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

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USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


/King Y. Poon/
Supervisory Patent Examiner, Art Unit 2625

/Akwasi M Sarpong/
Examiner, Art Unit 2625
05/05/2010